



## Safety Data Sheet according to (EC) No 1907/2006 as amended

Page 1 of 15

LOCTITE FREKOTE 915WB

SDS No. : 288238  
V007.2

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### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

LOCTITE FREKOTE 915WB

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Intended use:  
Cleaner

#### 1.3. Details of the supplier of the safety data sheet

Henkel AG & Co. KGaA  
Henkelstr. 67  
40589 Düsseldorf

Germany

Phone: +49 211 797 0

For Safety Data Sheet updates please visit our website <https://mysds.henkel.com/index.html#/appSelection> or [www.henkel-adhesives.com](http://www.henkel-adhesives.com).

[SDSinfo.Adhesive@henkel.com](mailto:SDSinfo.Adhesive@henkel.com)

#### 1.4. Emergency telephone number

The Henkel information service also provides an around-the-clock telephone service on phone no.+49-(0)211-797-3350 for exceptional cases.

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification (CLP):

Serious eye damage

H318 Causes serious eye damage.

Category 1

#### 2.2. Label elements

##### Label elements (CLP):

##### Hazard pictogram:



##### Contains

Dodecylbenzenesulphonic acid, compound with 1-aminopropan-2-ol (1:1)

Docosate sodium

##### Signal word:

Danger

<b>Hazard statement:</b>	H318 Causes serious eye damage.
<b>Supplemental information</b>	EUH066 Repeated exposure may cause skin dryness or cracking.
<b>Precautionary statement: Prevention</b>	P280 Wear eye protection/face protection.
<b>Precautionary statement: Response</b>	P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 Immediately call a POISON CENTER or doctor.

### 2.3. Other hazards

None if used properly.

Following substances are present in a concentration  $\geq$  the concentration limit for depiction in Section 3 and fulfill the criteria for PBT/vPvB, or were identified as endocrine disruptor (ED):

This mixture does not contain any substances in a concentration  $\geq$  the concentration limit for depiction in Section 3 that are assessed to be a PBT, vPvB or ED.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Declaration of the ingredients according to CLP (EC) No 1272/2008:

Hazardous components CAS-No. EC Number REACH-Reg No.	Concentration	Classification	Specific Conc. Limits, M-factors and ATEs	Add. Information
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatic  918-481-9 01-2119457273-39	20- 40 %	Asp. Tox. 1, H304		
Dodecylbenzenesulphonic acid, compound with 1-aminopropan-2-ol (1:1) 42504-46-1 255-854-9	1- < 3 %	Eye Dam. 1, H318 Acute Tox. 4, Oral, H302 Aquatic Chronic 3, H412		
Fatty alcohol ethoxylate C10 26183-52-8 500-046-6	1- < 3 %	Eye Irrit. 2, H319		
Docusate sodium 577-11-7 209-406-4 01-2119491296-29	1- < 3 %	Skin Irrit. 2, Dermal, H315 Eye Dam. 1, H318		
Alcohols, C12-14, <2.5EO 68439-50-9 500-213-3 01-2119487984-16	1- < 3 %	Aquatic Acute 1, H400 Aquatic Chronic 3, H412 Eye Irrit. 2, H319	M acute = 1	

For full text of the H - statements and other abbreviations see section 16 "Other information".

**Substances without classification may have community workplace exposure limits available.**  
**Declaration of ingredients according to Detergent Regulation 648/2004/EC**

15 - 30 %	aliphatic hydrocarbons
< 5 %	anionic surfactants
	non-ionic surfactants

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

**Inhalation:**

Move to fresh air, consult doctor if complaint persists.

**Skin contact:**

Immediately wash skin thoroughly with soap and water.

**Eye contact:**

Immediately flush eyes with soft jet of water or eye rinse solution for at least 5 minutes. If pains remain (intensive smarting, sensitivity to light, visual disturbance) continue flushing and contact/seek doctor or hospital.

**Ingestion:**

Drink 1-2 glasses of water, do not induce vomiting, administer an antifoaming agent (sab simplex), seek medical attention.

### 4.2. Most important symptoms and effects, both acute and delayed

After eye contact: Corrosive, may cause permanent damage to eyes (impairment of vision).

### 4.3. Indication of any immediate medical attention and special treatment needed

See section: Description of first aid measures

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

**Suitable extinguishing media:**

Water spray jet

Carbon dioxide, foam, powder

**Extinguishing media which must not be used for safety reasons:**

High pressure waterjet

### 5.2. Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in fires.

### 5.3. Advice for firefighters

Wear protective equipment.

Wear self-contained breathing apparatus.

**Additional information:**

Cool endangered containers with water spray jet.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with skin and eyes.

Danger of slipping on spilled product.

### 6.2. Environmental precautions

Do not empty into drains / surface water / ground water.

### 6.3. Methods and material for containment and cleaning up

Dispose of contaminated material as waste according to Section 13.

Remove with liquid-absorbing material (sand, peat, sawdust).

**6.4. Reference to other sections**

See advice in section 8

**SECTION 7: Handling and storage****7.1. Precautions for safe handling**

Avoid skin and eye contact.  
 Ensure that workrooms are adequately ventilated.  
 See advice in section 8

## Hygiene measures:

Wash hands before work breaks and after finishing work.  
 Do not eat, drink or smoke while working.  
 The workplace should be equipped with an emergency shower and eye-rinsing facility.

**7.2. Conditions for safe storage, including any incompatibilities**

Store in sealed original container.  
 Keep container tightly sealed and store in a frost free place.

**7.3. Specific end use(s)**

Cleaner

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****Occupational Exposure Limits**

Valid for  
 Germany

Ingredient [Regulated substance]	ppm	mg/m <sup>3</sup>	Value type	Short term exposure limit category / Remarks	Regulatory list
Natural compound of quartz and kaolinite 1020665-14-8		4	Exposure limit(s):	If the AGW and BGW values are complied with, there should be no risk of reproductive damage (see Number 2.7).	TRGS 900

**Predicted No-Effect Concentration (PNEC):**

Name on list	Environmental Compartment	Exposure period	Value				Remarks
			mg/l	ppm	mg/kg	others	
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatic	Air						no hazard identified
Docusate sodium 577-11-7	aqua (freshwater)		0,18 mg/l				
Docusate sodium 577-11-7	aqua (marine water)		0,018 mg/l				
Docusate sodium 577-11-7	aqua (intermittent releases)		0,152 mg/l				
Docusate sodium 577-11-7	Soil				1,04 mg/kg		
Docusate sodium 577-11-7	sewage treatment plant (STP)		12,2 mg/l				
Docusate sodium 577-11-7	sediment (freshwater)				17,789 mg/kg		
Docusate sodium 577-11-7	sediment (marine water)				1,779 mg/kg		
Alcohols, C12-14, <2.5EO 68439-50-9	aqua (freshwater)		0,074 mg/l				
Alcohols, C12-14, <2.5EO 68439-50-9	Freshwater - intermittent		0,004 mg/l				
Alcohols, C12-14, <2.5EO 68439-50-9	aqua (marine water)		0,007 mg/l				
Alcohols, C12-14, <2.5EO 68439-50-9	Marine water - intermittent		0 mg/l				
Alcohols, C12-14, <2.5EO 68439-50-9	sewage treatment plant (STP)		10000 mg/l				
Alcohols, C12-14, <2.5EO 68439-50-9	sediment (freshwater)				66,67 mg/kg		
Alcohols, C12-14, <2.5EO 68439-50-9	sediment (marine water)				6,66 mg/kg		
Alcohols, C12-14, <2.5EO 68439-50-9	Air						no hazard identified
Alcohols, C12-14, <2.5EO 68439-50-9	Soil				1 mg/kg		
Alcohols, C12-14, <2.5EO 68439-50-9	oral						no potential for bioaccumulation

**Derived No-Effect Level (DNEL):**

Name on list	Application Area	Route of Exposure	Health Effect	Exposure Time	Value	Remarks
Docusate sodium 577-11-7	Workers	dermal	Long term exposure - systemic effects		31,3 mg/kg	
Docusate sodium 577-11-7	Workers	Inhalation	Long term exposure - systemic effects		44,1 mg/m <sup>3</sup>	
Docusate sodium 577-11-7	General population	Inhalation	Long term exposure - systemic effects		13 mg/m <sup>3</sup>	
Docusate sodium 577-11-7	General population	dermal	Long term exposure - systemic effects		18,8 mg/kg	
Docusate sodium 577-11-7	General population	oral	Long term exposure - systemic effects		18,8 mg/kg	
Alcohols, C12-14, <2.5EO 68439-50-9	Workers	dermal	Long term exposure - systemic effects		2080 mg/kg	no hazard identified
Alcohols, C12-14, <2.5EO 68439-50-9	Workers	inhalation	Long term exposure - systemic effects		294 mg/m <sup>3</sup>	no hazard identified
Alcohols, C12-14, <2.5EO 68439-50-9	General population	dermal	Long term exposure - systemic effects		1250 mg/kg	no hazard identified
Alcohols, C12-14, <2.5EO 68439-50-9	General population	inhalation	Long term exposure - systemic effects		87 mg/m <sup>3</sup>	no hazard identified
Alcohols, C12-14, <2.5EO 68439-50-9	General population	oral	Long term exposure - systemic effects		25 mg/kg	no hazard identified

**Biological Exposure Indices:**

None

**8.2. Exposure controls:**

## Engineering controls:

Ensure good ventilation/suction at the workplace.

## Respiratory protection:

In case of aerosol formation, we recommend wearing of appropriate respiratory protection equipment with ABEK P2 filter (EN 14387).

This recommendation should be matched to local conditions.

## Hand protection:

Chemical-resistant protective gloves (EN 374). Suitable materials for short-term contact or splashes (recommended: at least protection index 2, corresponding to > 30 minutes permeation time as per EN 374): Fluorinated rubber (FKM;  $\geq 0.7$  mm thickness) Suitable materials for longer, direct contact (recommended: protection index 6, corresponding to > 480 minutes permeation time as per EN 374): Fluorinated rubber (FKM;  $\geq 0.7$  mm thickness) This information is based on literature references and on information provided by glove manufacturers, or is derived by analogy with similar substances. Please note that in practice the working life of chemical-resistant protective gloves may be considerably shorter than the permeation time determined in accordance with EN 374 as a result of the many influencing factors (e.g. temperature). If signs of wear and tear are noticed then the gloves should be replaced.

## Eye protection:

Protective eye equipment should conform to EN166.

Goggles which can be tightly sealed.

## Skin protection:

Protective clothing should conform to EN 14605 for liquid splashes or to EN 13982 for dusts.

Suitable protective clothing

Advices to personal protection equipment:

The information provided on personal protective equipment is for guidance purposes only. A full risk assessment should be conducted prior to using this product to determine the appropriate personal protective equipment to suit local conditions. Personal protective equipment should conform to the relevant EN standard.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Delivery form	liquid
Colour	beige
Odor	specific
Physical state	liquid
Melting point	Not applicable, Product is a liquid
Initial boiling point	Not available.
Flammability	The product is not flammable.
Explosive limits	Currently under determination
Flash point	62 °C (143.6 °F); Pensky Martens closed cup
	Aqueous solution
Auto-ignition temperature	Not applicable, The product is not flammable.
Decomposition temperature	Not applicable, Substance/mixture is not self-reactive, no organic peroxide and does not decompose under foreseen conditions of use
pH	9,0 - 10,0 PH-value, potentiometer
(20 °C (68 °F); Conc.: 100 % product)	
Viscosity (kinematic)	Currently under determination
Solubility (qualitative)	emulsifiable
(20 °C (68 °F); Solvent: Water)	
Partition coefficient: n-octanol/water	Not applicable
	Mixture
Vapour pressure	Not available.
Density	0,97 - 0,99 g/cm <sup>3</sup> density, hydrometer
(20 °C (68 °F))	
Relative vapour density:	> 1
(20 °C)	
Particle characteristics	Not applicable
	Product is a liquid

### 9.2. Other information

Other information not applicable for this product

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Reaction with strong acids.

Reaction with strong oxidants.

### 10.2. Chemical stability

Stable under recommended storage conditions.

### 10.3. Possibility of hazardous reactions

See section reactivity

### 10.4. Conditions to avoid

No decomposition if used according to specifications.

### 10.5. Incompatible materials

See section reactivity.

### 10.6. Hazardous decomposition products

None if used for intended purpose.

In case of fire toxic gases can be released.

## SECTION 11: Toxicological information

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### Acute oral toxicity:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Species	Method
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatic	LD50	> 15.000 mg/kg	rat	equivalent or similar to OECD Guideline 401 (Acute Oral Toxicity)
Dodecylbenzenesulphonic acid, compound with 1- aminopropan-2-ol (1:1) 42504-46-1	LD50	1.080 mg/kg	rat	not specified
Fatty alcohol ethoxylate C10 26183-52-8	LD50	> 2.000 mg/kg	rat	EU Method B.1 (Acute Toxicity (Oral))
Docusate sodium 577-11-7	LD50	3.080 mg/kg	rat	OECD Guideline 401 (Acute Oral Toxicity)
Alcohols, C12-14, <2.5EO 68439-50-9	LD50	> 2.000 mg/kg	rat	OECD Guideline 401 (Acute Oral Toxicity)

#### Acute dermal toxicity:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Species	Method
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatic	LD50	> 5.000 mg/kg	rabbit	equivalent or similar to OECD Guideline 402 (Acute Dermal Toxicity)
Docusate sodium 577-11-7	LD50	> 10.000 mg/kg	rabbit	OECD Guideline 402 (Acute Dermal Toxicity)
Alcohols, C12-14, <2.5EO 68439-50-9	LD50	> 3.000 mg/kg	rabbit	OECD Guideline 402 (Acute Dermal Toxicity)

#### Acute inhalative toxicity:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Test atmosphere	Exposure time	Species	Method
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatic	LC50	> 5,6 mg/l	dust/mist	4 h	rat	equivalent or similar to OECD Guideline 403 (Acute Inhalation Toxicity)

#### Skin corrosion/irritation:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Result	Exposure time	Species	Method
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatic	mildly irritating	4 h	rabbit	equivalent or similar to OECD Guideline 404 (Acute Dermal Irritation / Corrosion)
Docusate sodium 577-11-7	Category 2 (irritant)	4 h	rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)
Alcohols, C12-14, <2.5EO 68439-50-9	not irritating	4 h	rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)



**Serious eye damage/irritation:**

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Result	Exposure time	Species	Method
Docusate sodium 577-11-7	Category 1 (irreversible effects on the eye)		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)
Alcohols, C12-14, <2.5EO 68439-50-9	irritating			Expert judgement

**Respiratory or skin sensitization:**

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Result	Test type	Species	Method
Docusate sodium 577-11-7	not sensitising	Patch-Test	human	human repeat insult patch test
Alcohols, C12-14, <2.5EO 68439-50-9	not sensitising	Guinea pig maximisation test	guinea pig	OECD Guideline 406 (Skin Sensitisation)

**Germ cell mutagenicity:**

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Result	Type of study / Route of administration	Metabolic activation / Exposure time	Species	Method
Docusate sodium 577-11-7	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		OECD Guideline 471 (Bacterial Reverse Mutation Assay)
Docusate sodium 577-11-7	negative	mammalian cell gene mutation assay	with and without		OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)
Alcohols, C12-14, <2.5EO 68439-50-9	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		OECD Guideline 471 (Bacterial Reverse Mutation Assay)
Alcohols, C12-14, <2.5EO 68439-50-9	negative	in vitro mammalian chromosome aberration test	with and without		OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test)
Alcohols, C12-14, <2.5EO 68439-50-9	negative	mammalian cell gene mutation assay	with and without		OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)
Alcohols, C12-14, <2.5EO 68439-50-9	negative	intraperitoneal		mouse	OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test)

**Carcinogenicity**

No data available.

**Reproductive toxicity:**

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Result / Value	Test type	Route of application	Species	Method
Docusate sodium 577-11-7	NOAEL P 1 % NOAEL F1 0.1 % NOAEL F2 0.1 %	three- generation study	oral: feed	rat	OECD Guideline 416 (Two- Generation Reproduction Toxicity Study)

**STOT-single exposure:**

No data available.

**STOT-repeated exposure:**

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Result / Value	Route of application	Exposure time / Frequency of treatment	Species	Method
Docusate sodium 577-11-7	NOAEL 750 mg/kg	oral: feed		rat	OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)
Alcohols, C12-14, <2.5EO 68439-50-9	NOAEL >= 500 mg/kg	oral: feed	90 d daily	rat	OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)

**Aspiration hazard:**

The mixture is classified based on Viscosity data.

Hazardous substances CAS-No.	Viscosity (kinematic) Value	Temperature	Method	Remarks
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatic	1,13 mm <sup>2</sup> /s	40 °C	not specified	

**11.2 Information on other hazards**

not applicable

## SECTION 12: Ecological information

### General ecological information:

Do not empty into drains / surface water / ground water.

The biodegradability of the surfactants contained in the product is in accordance with the requirements of the EU Detergent Regulation (EC/648/2004).

The surfactants contained in the products are primary biodegradable to at least 90% on average.

### 12.1. Toxicity

#### Toxicity (Fish):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

The table below presents the data of the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Exposure time	Species	Method
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatic	LL50	> 1.000 mg/l	96 h	Oncorhynchus mykiss	OECD Guideline 203 (Fish, Acute Toxicity Test)
Dodecylbenzenesulphonic acid, compound with 1-aminopropan-2-ol (1:1) 42504-46-1	LC50	1,67 mg/l	96 h	Lepomis macrochirus	EPA OPPTS 850.1075 (Freshwater and Saltwater Fish Acute Toxicity Test)
Dodecylbenzenesulphonic acid, compound with 1-aminopropan-2-ol (1:1) 42504-46-1	NOEC	0,23 mg/l	72 d	Oncorhynchus mykiss	OECD Guideline 210 (fish early lite stage toxicity test)
Fatty alcohol ethoxylate C10 26183-52-8	LC50	7,8 mg/l	96 h	Brachydanio rerio (new name: Danio rerio)	not specified
Docusate sodium 577-11-7	LC50	49 mg/l	96 h	Brachydanio rerio (new name: Danio rerio)	EU Method C.1 (Acute Toxicity for Fish)
Alcohols, C12-14, <2.5EO 68439-50-9	LC50	0,876 mg/l	96 h	Danio rerio (reported as Brachydanio rerio)	EU Method C.1 (Acute Toxicity for Fish)
Alcohols, C12-14, <2.5EO 68439-50-9	NOEC	0,28 mg/l	30 d	Pimephales promelas	OECD Guideline 210 (fish early lite stage toxicity test)

#### Toxicity (aquatic invertebrates):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

The table below presents the data of the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Exposure time	Species	Method
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatic	EL50	> 1.000 mg/l	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Dodecylbenzenesulphonic acid, compound with 1-aminopropan-2-ol (1:1) 42504-46-1	EC50	2,9 mg/l	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Docusate sodium 577-11-7	EC50	6,6 mg/l	48 h	Daphnia magna	EU Method C.2 (Acute Toxicity for Daphnia)
Alcohols, C12-14, <2.5EO 68439-50-9	EC50	0,39 mg/l	48 h	Daphnia magna	other guideline:

#### Chronic toxicity (aquatic invertebrates):

The table below presents the data of the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Exposure time	Species	Method
Dodecylbenzenesulphonic acid, compound with 1-aminopropan-2-ol (1:1)	NOEC	1,18 mg/l	21 d	Daphnia magna	OECD 211 (Daphnia magna, Reproduction Test)

42504-46-1					
Docusate sodium 577-11-7	EC10	9,8 mg/l	21 day	Daphnia magna	OECD 211 (Daphnia magna, Reproduction Test)
Alcohols, C12-14, <2.5EO 68439-50-9	NOEC	0,77 mg/l	21 d	Daphnia magna	OECD 211 (Daphnia magna, Reproduction Test)

**Toxicity (Algae):**

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

The table below presents the data of the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Exposure time	Species	Method
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatic	EL50	> 1.000 mg/l	72 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatic	NOELR	1.000 mg/l	72 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
Dodecylbenzenesulphonic acid, compound with 1-aminopropan-2-ol (1:1) 42504-46-1	EC50	235 mg/l	72 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
Dodecylbenzenesulphonic acid, compound with 1-aminopropan-2-ol (1:1) 42504-46-1	EC10	13,1 mg/l	72 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
Docusate sodium 577-11-7	EC10	22 mg/l	72 h	Scenedesmus subspicatus (new name: Desmodesmus subspicatus)	EU Method C.3 (Algal Inhibition test)
Docusate sodium 577-11-7	EC50	82,5 mg/l	72 h	Scenedesmus subspicatus (new name: Desmodesmus subspicatus)	EU Method C.3 (Algal Inhibition test)
Alcohols, C12-14, <2.5EO 68439-50-9	EC50	0,41 mg/l	72 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
Alcohols, C12-14, <2.5EO 68439-50-9	NOEC	0,31 mg/l	72 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)

**Toxicity (microorganisms):**

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

The table below presents the data of the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Exposure time	Species	Method
Dodecylbenzenesulphonic acid, compound with 1-aminopropan-2-ol (1:1) 42504-46-1	EC0	16 mg/l	30 min		not specified
Fatty alcohol ethoxylate C10 26183-52-8	EC0	130 mg/l	30 min		not specified
Docusate sodium 577-11-7	EC10	122 mg/l	16,5 h	Pseudomonas putida	DIN 38412, part 8 (Pseudomonas Zellvermehrungshemm-Test)
Alcohols, C12-14, <2.5EO 68439-50-9	EC10	> 10.000 mg/l	16,9 h	Pseudomonas putida	DIN 38412, part 8 (Pseudomonas Zellvermehrungshemm-Test)

**12.2. Persistence and degradability**

The table below presents the data of the classified substances present in the mixture.

Hazardous substances CAS-No.	Result	Test type	Degradability	Exposure time	Method
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatic	readily biodegradable, but failing 10-day window	aerobic	80 %	28 d	OECD Guideline 301 F (Ready Biodegradability: Manometric Respirometry Test)
Dodecylbenzenesulphonic acid, compound with 1-aminopropan-2-ol (1:1) 42504-46-1	readily biodegradable	aerobic	85 %	29 d	OECD Guideline 301 B (Ready Biodegradability: CO2 Evolution Test)
Fatty alcohol ethoxylate C10 26183-52-8	readily biodegradable	aerobic	> 72 %	30 d	EU Method C.4-E (Determination of the "Ready" Biodegradability) Closed Bottle Test)
Docosate sodium 577-11-7	readily biodegradable	aerobic	68 %	30 d	EU Method C.4-E (Determination of the "Ready" Biodegradability) Closed Bottle Test)
Alcohols, C12-14, <2.5EO 68439-50-9	readily biodegradable	aerobic	95 %	28 d	OECD Guideline 301 F (Ready Biodegradability: Manometric Respirometry Test)

### 12.3. Bioaccumulative potential

No data available.

### 12.4. Mobility in soil

The table below presents the data of the classified substances present in the mixture.

Hazardous substances CAS-No.	LogPow	Temperature	Method
Docosate sodium 577-11-7	1,998	20 °C	QSAR (Quantitative Structure Activity Relationship)

### 12.5. Results of PBT and vPvB assessment

The table below presents the data of the classified substances present in the mixture.

Hazardous substances CAS-No.	PBT / vPvB
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatic	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.
Fatty alcohol ethoxylate C10 26183-52-8	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.
Docosate sodium 577-11-7	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.

### 12.6. Endocrine disrupting properties

not applicable

### 12.7. Other adverse effects

The product contains hydrocarbons.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**Product disposal:**

In consultation with the responsible local authority, must be subjected to special treatment.

**Waste code**

070704

The valid EWC waste code numbers are source-related. The manufacturer is therefore unable to specify EWC waste codes for the articles or products used in the various sectors. The EWC codes listed are intended as a recommendation for users. We will be happy to advise you.

## SECTION 14: Transport information

- 14.1. UN number or ID number**  
Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.
- 14.2. UN proper shipping name**  
Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.
- 14.3. Transport hazard class(es)**  
Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.
- 14.4. Packing group**  
Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.
- 14.5. Environmental hazards**  
Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.
- 14.6. Special precautions for user**  
Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.
- 14.7. Maritime transport in bulk according to IMO instruments**  
not applicable

## SECTION 15: Regulatory information

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Ozone Depleting Substance (ODS) (Regulation (EC) No 1005/2009):	Not applicable
Prior Informed Consent (PIC) (Regulation (EU) No 649/2012):	Not applicable
Persistent organic pollutants (Regulation (EU) 2019/1021):	Not applicable
VOC content (2010/75/EU)	30,0 %

**15.2. Chemical safety assessment**

A chemical safety assessment has not been carried out.

**National regulations/information (Germany):**

WGK: WGK 2: significantly water endangering (Ordinance on facilities for handling substances that are hazardous to water (AwSV) )  
Classification according to AwSV, Annex 1 (5.2)

Storage class according to TRGS 510: 10

## SECTION 16: Other information

The labelling of the product is indicated in Section 2. The full text of all abbreviations indicated by codes in this safety data sheet are as follows:

H302 Harmful if swallowed.  
 H304 May be fatal if swallowed and enters airways.  
 H315 Causes skin irritation.  
 H318 Causes serious eye damage.  
 H319 Causes serious eye irritation.  
 H400 Very toxic to aquatic life.  
 H412 Harmful to aquatic life with long lasting effects.

ED:	Substance identified as having endocrine disrupting properties
EU OEL:	Substance with a Union workplace exposure limit
EU EXPLD 1:	Substance listed in Annex I, Reg (EC) No. 2019/1148
EU EXPLD 2	Substance listed in Annex II, Reg (EC) No. 2019/1148
SVHC:	Substance of very high concern (REACH Candidate List)
PBT:	Substance fulfilling persistent, bioaccumulative and toxic criteria
PBT/vPvB:	Substance fulfilling persistent, bioaccumulative and toxic plus very persistent and very bioaccumulative criteria
vPvB:	Substance fulfilling very persistent and very bioaccumulative criteria

### Further information:

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